ABSTRACT

A cross-platform interface tool provides a common interface for any hardware or software component having some advertising mechanism listing its features, input, and

5   output requirements. The advertising mechanism can take a number of different forms, including data, a software object definition, or a communications system. The cross-platform interface tool includes a parsing mechanism for parsing through a component description associated with at least one of the plurality of components to gather information relating to the components. A component interface creator automatically

10   generates a component interface based on the information gathered by the parsing mechanism.